Resting-State

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
superior frontal gyrus, part 1 (medial area 8)	-0.72	superior frontal gyrus, part 1 (medial area 8)	-0.67
superior frontal gyrus, part 2 (dorsolateral area 8)	0.24	superior frontal gyrus, part 2 (dorsolateral area 8)	0.88
superior frontal gyrus, part 3 (lateral area 9)	0.59	superior frontal gyrus, part 3 (lateral area 9)	0.84
superior frontal gyrus, part 4 (dorsolateral area 6)	0.84	superior frontal gyrus, part 4 (dorsolateral area 6)	-0.87
superior frontal gyrus, part 5 (medial area 6)	0.08	superior frontal gyrus, part 5 (medial area 6)	0.90
superior frontal gyrus, part 6 (medial area 9)	0.17	superior frontal gyrus, part 6 (medial area 9)	0.67
superior frontal gyrus, part 7 (medial area 10)	0.92	superior frontal gyrus, part 7 (medial area 10)	0.96
middle frontal gyrus, part 1 (dorsal area 9/46)	0.25	middle frontal gyrus, part 1 (dorsal area 9/46)	0.75
middle frontal gyrus, part 2 (inferior frontal junction)	-0.76	middle frontal gyrus, part 2 (inferior frontal junction)	-0.86
middle frontal gyrus, part 3 (area 46)	-0.50	middle frontal gyrus, part 3 (area 46)	-0.67
middle frontal gyrus, part 4 (ventral area 9/46)	0.84	middle frontal gyrus, part 4 (ventral area 9/46)	-0.78
middle frontal gyrus, part 5 (ventrolateral area 8)	-0.50	middle frontal gyrus, part 5 (ventrolateral area 8)	-0.82
middle frontal gyrus, part 6 (ventrolateral area 6)	-0.85	middle frontal gyrus, part 6 (ventrolateral area 6)	-0.93
middle frontal gyrus, part 7 (lateral area 10)	0.83	middle frontal gyrus, part 7 (lateral area 10)	-0.79
inferior frontal gyrus, part 1 (dorsal area 44)	0.93	inferior frontal gyrus, part 1 (dorsal area 44)	-0.35
inferior frontal gyrus, part 2 (inferior frontal sulcus)	0.73	inferior frontal gyrus, part 2 (inferior frontal sulcus)	-0.43
inferior frontal gyrus, part 3 (caudal area 45)	0.89	inferior frontal gyrus, part 3 (caudal area 45)	-0.25
inferior frontal gyrus, part 4 (rostral area 45)	0.99	inferior frontal gyrus, part 4 (rostral area 45)	0.72
inferior frontal gyrus, part 5 (opercular area 44)	0.82	inferior frontal gyrus, part 5 (opercular area 44)	0.07
inferior frontal gyrus, part 6 (ventral area 44)	0.73	inferior frontal gyrus, part 6 (ventral area 44)	0.70
orbital gyrus, part 1 (medial area 14)	0.99	orbital gyrus, part 1 (medial area 14)	0.99
orbital gyrus, part 2 (orbital area 12/47)	0.99	orbital gyrus, part 2 (orbital area 12/47)	0.73
orbital gyrus, part 3 (lateral area 11)	0.90	orbital gyrus, part 3 (lateral area 11)	0.95
orbital gyrus, part 4 (medial area 11)	0.98	orbital gyrus, part 4 (medial area 11)	0.99
orbital gyrus, part 5 (area 13)	0.98	orbital gyrus, part 5 (area 13)	0.98
orbital gyrus, part 6 (lateral area 12/47)	0.74	orbital gyrus, part 6 (lateral area 12/47)	0.59
precentral gyrus, part 1 (area 4 head and face)	-0.87	precentral gyrus, part 1 (area 4 head and face)	0.70
precentral gyrus, part 2 (caudal dorsolateral area 6)	0.94	precentral gyrus, part 2 (caudal dorsolateral area 6)	0.98
precentral gyrus, part 3 (area 4 upper limb)	-0.88	precentral gyrus, part 3 (area 4 upper limb)	0.55
precentral gyrus, part 4 (area 4 trunk)	-0.89	precentral gyrus, part 4 (area 4 trunk)	-0.88
precentral gyrus, part 5 (area 4 tongue and larynx)	-0.94	precentral gyrus, part 5 (area 4 tongue and larynx)	-0.70
precentral gyrus, part 6 (caudal ventrolateral area 6)	0.91	precentral gyrus, part 6 (caudal ventrolateral area 6)	0.86
paracentral lobule, part 1 (area1/2/3 lower limb)	-0.93	paracentral lobule, part 1 (area1/2/3 lower limb)	-0.94
paracentral lobule, part 2 (area 4 lower limb)	-0.95	paracentral lobule, part 2 (area 4 lower limb)	-0.93
superior temporal gyrus, part 1 (medial area 38)	0.96	superior temporal gyrus, part 1 (medial area 38)	0.98

Task-Performing

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
superior frontal gyrus, part 1 (medial area 8)	-0.72	superior frontal gyrus, part 1 (medial area 8)	-0.67
superior frontal gyrus, part 2 (dorsolateral area 8)	0.24	superior frontal gyrus, part 2 (dorsolateral area 8)	0.88
superior frontal gyrus, part 3 (lateral area 9)	0.59	superior frontal gyrus, part 3 (lateral area 9)	0.84
superior frontal gyrus, part 4 (dorsolateral area 6)	0.84	superior frontal gyrus, part 4 (dorsolateral area 6)	-0.87
superior frontal gyrus, part 5 (medial area 6)	0.08	superior frontal gyrus, part 5 (medial area 6)	0.90
superior frontal gyrus, part 6 (medial area 9)	0.17	superior frontal gyrus, part 6 (medial area 9)	0.67
superior frontal gyrus, part 7 (medial area 10)	0.92	superior frontal gyrus, part 7 (medial area 10)	0.96
middle frontal gyrus, part 1 (dorsal area 9/46)	0.25	middle frontal gyrus, part 1 (dorsal area 9/46)	0.75
middle frontal gyrus, part 2 (inferior frontal junction)	-0.76	middle frontal gyrus, part 2 (inferior frontal junction)	-0.86
middle frontal gyrus, part 3 (area 46)	-0.50	middle frontal gyrus, part 3 (area 46)	-0.67
middle frontal gyrus, part 4 (ventral area 9/46)	0.84	middle frontal gyrus, part 4 (ventral area 9/46)	-0.78
middle frontal gyrus, part 5 (ventrolateral area 8)	-0.50	middle frontal gyrus, part 5 (ventrolateral area 8)	-0.82
middle frontal gyrus, part 6 (ventrolateral area 6)	-0.85	middle frontal gyrus, part 6 (ventrolateral area 6)	-0.93
middle frontal gyrus, part 7 (lateral area 10)	0.83	middle frontal gyrus, part 7 (lateral area 10)	-0.79
inferior frontal gyrus, part 1 (dorsal area 44)	0.93	inferior frontal gyrus, part 1 (dorsal area 44)	-0.35
inferior frontal gyrus, part 2 (inferior frontal sulcus)	0.73	inferior frontal gyrus, part 2 (inferior frontal sulcus)	-0.43
inferior frontal gyrus, part 3 (caudal area 45)	0.89	inferior frontal gyrus, part 3 (caudal area 45)	-0.25
inferior frontal gyrus, part 4 (rostral area 45)	0.99	inferior frontal gyrus, part 4 (rostral area 45)	0.72
inferior frontal gyrus, part 5 (opercular area 44)	0.82	inferior frontal gyrus, part 5 (opercular area 44)	0.07
inferior frontal gyrus, part 6 (ventral area 44)	0.73	inferior frontal gyrus, part 6 (ventral area 44)	0.70
orbital gyrus, part 1 (medial area 14)	0.99	orbital gyrus, part 1 (medial area 14)	0.99
orbital gyrus, part 2 (orbital area 12/47)	0.99	orbital gyrus, part 2 (orbital area 12/47)	0.73
orbital gyrus, part 3 (lateral area 11)	0.90	orbital gyrus, part 3 (lateral area 11)	0.95
orbital gyrus, part 4 (medial area 11)	0.98	orbital gyrus, part 4 (medial area 11)	0.99
orbital gyrus, part 5 (area 13)	0.98	orbital gyrus, part 5 (area 13)	0.98
orbital gyrus, part 6 (lateral area 12/47)	0.74	orbital gyrus, part 6 (lateral area 12/47)	0.59
precentral gyrus, part 1 (area 4 head and face)	-0.87	precentral gyrus, part 1 (area 4 head and face)	0.70
precentral gyrus, part 2 (caudal dorsolateral area 6)	0.94	precentral gyrus, part 2 (caudal dorsolateral area 6)	0.98
precentral gyrus, part 3 (area 4 upper limb)	-0.88	precentral gyrus, part 3 (area 4 upper limb)	0.55
precentral gyrus, part 4 (area 4 trunk)	-0.89	precentral gyrus, part 4 (area 4 trunk)	-0.88
precentral gyrus, part 5 (area 4 tongue and larynx)	-0.94	precentral gyrus, part 5 (area 4 tongue and larynx)	-0.70
precentral gyrus, part 6 (caudal ventrolateral area 6)	0.91	precentral gyrus, part 6 (caudal ventrolateral area 6)	0.86
paracentral lobule, part 1 (area1/2/3 lower limb)	-0.93	paracentral lobule, part 1 (area1/2/3 lower limb)	-0.94
paracentral lobule, part 2 (area 4 lower limb)	-0.95	paracentral lobule, part 2 (area 4 lower limb)	-0.93
superior temporal gyrus, part 1 (medial area 38)	0.96	superior temporal gyrus, part 1 (medial area 38)	0.98

Resting-State

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
superior temporal gyrus, part 2 (area 41/42)	-0.89	superior temporal gyrus, part 2 (area 41/42)	-0.90
superior temporal gyrus, part 3 (area TE)	-0.88	superior temporal gyrus, part 3 (area TE)	-0.77
superior temporal gyrus, part 4 (caudal area 22)	-0.84	superior temporal gyrus, part 4 (caudal area 22)	-0.89
superior temporal gyrus, part 5 (lateral area 38)	0.67	superior temporal gyrus, part 5 (lateral area 38)	0.74
superior temporal gyrus, part 6 (rostral area 22)	-0.87	superior temporal gyrus, part 6 (rostral area 22)	-0.83
middle temporal gyrus, part 1 (caudal area 21)	0.96	middle temporal gyrus, part 1 (caudal area 21)	0.93
middle temporal gyrus, part 2 (rostral area 21)	0.99	middle temporal gyrus, part 2 (rostral area 21)	0.99
middle temporal gyrus, part 3 (dorsolateral area 37)	-0.78	middle temporal gyrus, part 3 (dorsolateral area 37)	0.03
middle temporal gyrus, part 4 (anterior superior temporal sulcus)	-0.27	middle temporal gyrus, part 4 (anterior superior temporal sulcus)	0.34
inferior temporal gyrus, part 1 (intermediate ventral area 20)	-0.81	inferior temporal gyrus, part 1 (intermediate ventral area 20)	0.97
inferior temporal gyrus, part 2 (extreme lateroventral area 37)	0.90	inferior temporal gyrus, part 2 (extreme lateroventral area 37)	0.55
inferior temporal gyrus, part 3 (rostral area 20)	1.00	inferior temporal gyrus, part 3 (rostral area 20)	0.98
inferior temporal gyrus, part 4 (intermediate lateral area 20)	0.93	inferior temporal gyrus, part 4 (intermediate lateral area 20)	0.97
inferior temporal gyrus, part 5 (ventrolateral area 37)	0.79	inferior temporal gyrus, part 5 (ventrolateral area 37)	0.77
inferior temporal gyrus, part 6 (caudolateral of area 20)	0.09	inferior temporal gyrus, part 6 (caudolateral of area 20)	0.78
inferior temporal gyrus, part 7 (caudoventral of area 20)	0.17	inferior temporal gyrus, part 7 (caudoventral of area 20)	0.83
fusiform gyrus, part 1 (rostroventral area 20)	-0.96	fusiform gyrus, part 1 (rostroventral area 20)	0.97
fusiform gyrus, part 2 (medioventral area 37)	0.99	fusiform gyrus, part 2 (medioventral area 37)	0.95
fusiform gyrus, part 3 (ventrolatral area 37)	0.94	fusiform gyrus, part 3 (ventrolatral area 37)	0.97
parahippocampal gyrus, part 1 (rostral area 35/36)	-0.73	parahippocampal gyrus, part 1 (rostral area 35/36)	0.99
parahippocampal gyrus, part 2 (caudal area 35/36)	-0.73	parahippocampal gyrus, part 2 (caudal area 35/36)	0.91
parahippocampal gyrus, part 3 (area TL)	0.64	parahippocampal gyrus, part 3 (area TL)	0.97
parahippocampal gyrus, part 4 (area 28/34)	0.95	parahippocampal gyrus, part 4 (area 28/34)	0.97
parahippocampal gyrus, part 5 (area TI)	-0.97	parahippocampal gyrus, part 5 (area TI)	0.99
parahippocampal gyrus, part 6 (area TH)	0.82	parahippocampal gyrus, part 6 (area TH)	0.44
posterior superior temporal sulcus, part 1	-0.88	posterior superior temporal sulcus, part 1	-0.86
posterior superior temporal sulcus, part 2	-0.18	posterior superior temporal sulcus, part 2	-0.88
superior parietal lobule, part 1 (rostral area 7)	-0.91	superior parietal lobule, part 1 (rostral area 7)	-0.88
superior parietal lobule, part 2 (caudal area 7)	0.93	superior parietal lobule, part 2 (caudal area 7)	0.90
superior parietal lobule, part 3 (lateral area 5)	0.95	superior parietal lobule, part 3 (lateral area 5)	0.48
superior parietal lobule, part 4 (postcentral area 7)	-0.97	superior parietal lobule, part 4 (postcentral area 7)	-0.94
superior parietal lobule, part 5 (intraparietal area 7)	0.93	superior parietal lobule, part 5 (intraparietal area 7)	0.89
inferior parietal lobule, part 1 (caudal area 39)	0.89	inferior parietal lobule, part 1 (caudal area 39)	0.88
inferior parietal lobule, part 2 (rostrodorsal area 39)	-0.96	inferior parietal lobule, part 2 (rostrodorsal area 39)	-0.96
inferior parietal lobule, part 3 (rostrodorsal area 40)	-0.64	inferior parietal lobule, part 3 (rostrodorsal area 40)	0.86
inferior parietal lobule, part 4 (caudal area 40)	0.51	inferior parietal lobule, part 4 (caudal area 40)	0.02

Task-Performing

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
superior temporal gyrus, part 2 (area 41/42)	-0.89	superior temporal gyrus, part 2 (area 41/42)	-0.90
superior temporal gyrus, part 3 (area TE)	-0.88	superior temporal gyrus, part 3 (area TE)	-0.77
superior temporal gyrus, part 4 (caudal area 22)	-0.84	superior temporal gyrus, part 4 (caudal area 22)	-0.89
superior temporal gyrus, part 5 (lateral area 38)	0.67	superior temporal gyrus, part 5 (lateral area 38)	0.74
superior temporal gyrus, part 6 (rostral area 22)	-0.87	superior temporal gyrus, part 6 (rostral area 22)	-0.83
middle temporal gyrus, part 1 (caudal area 21)	0.96	middle temporal gyrus, part 1 (caudal area 21)	0.93
middle temporal gyrus, part 2 (rostral area 21)	0.99	middle temporal gyrus, part 2 (rostral area 21)	0.99
middle temporal gyrus, part 3 (dorsolateral area 37)	-0.78	middle temporal gyrus, part 3 (dorsolateral area 37)	0.03
middle temporal gyrus, part 4 (anterior superior temporal sulcus)	-0.27	middle temporal gyrus, part 4 (anterior superior temporal sulcus)	0.34
inferior temporal gyrus, part 1 (intermediate ventral area 20)	-0.81	inferior temporal gyrus, part 1 (intermediate ventral area 20)	0.97
inferior temporal gyrus, part 2 (extreme lateroventral area 37)	0.90	inferior temporal gyrus, part 2 (extreme lateroventral area 37)	0.55
inferior temporal gyrus, part 3 (rostral area 20)	1.00	inferior temporal gyrus, part 3 (rostral area 20)	0.98
inferior temporal gyrus, part 4 (intermediate lateral area 20)	0.93	inferior temporal gyrus, part 4 (intermediate lateral area 20)	0.97
inferior temporal gyrus, part 5 (ventrolateral area 37)	0.79	inferior temporal gyrus, part 5 (ventrolateral area 37)	0.77
inferior temporal gyrus, part 6 (caudolateral of area 20)	0.09	inferior temporal gyrus, part 6 (caudolateral of area 20)	0.78
inferior temporal gyrus, part 7 (caudoventral of area 20)	0.17	inferior temporal gyrus, part 7 (caudoventral of area 20)	0.83
fusiform gyrus, part 1 (rostroventral area 20)	-0.96	fusiform gyrus, part 1 (rostroventral area 20)	0.97
fusiform gyrus, part 2 (medioventral area 37)	0.99	fusiform gyrus, part 2 (medioventral area 37)	0.95
fusiform gyrus, part 3 (ventrolatral area 37)	0.94	fusiform gyrus, part 3 (ventrolatral area 37)	0.97
parahippocampal gyrus, part 1 (rostral area 35/36)	-0.73	parahippocampal gyrus, part 1 (rostral area 35/36)	0.99
parahippocampal gyrus, part 2 (caudal area 35/36)	-0.73	parahippocampal gyrus, part 2 (caudal area 35/36)	0.91
parahippocampal gyrus, part 3 (area TL)	0.64	parahippocampal gyrus, part 3 (area TL)	0.97
parahippocampal gyrus, part 4 (area 28/34)	0.95	parahippocampal gyrus, part 4 (area 28/34)	0.97
parahippocampal gyrus, part 5 (area TI)	-0.97	parahippocampal gyrus, part 5 (area TI)	0.99
parahippocampal gyrus, part 6 (area TH)	0.82	parahippocampal gyrus, part 6 (area TH)	0.44
posterior superior temporal sulcus, part 1	-0.88	posterior superior temporal sulcus, part 1	-0.86
posterior superior temporal sulcus, part 2	-0.18	posterior superior temporal sulcus, part 2	-0.88
superior parietal lobule, part 1 (rostral area 7)	-0.91	superior parietal lobule, part 1 (rostral area 7)	-0.88
superior parietal lobule, part 2 (caudal area 7)	0.93	superior parietal lobule, part 2 (caudal area 7)	0.90
superior parietal lobule, part 3 (lateral area 5)	0.95	superior parietal lobule, part 3 (lateral area 5)	0.48
superior parietal lobule, part 4 (postcentral area 7)	-0.97	superior parietal lobule, part 4 (postcentral area 7)	-0.94
superior parietal lobule, part 5 (intraparietal area 7)	0.93	superior parietal lobule, part 5 (intraparietal area 7)	0.89
inferior parietal lobule, part 1 (caudal area 39)	0.89	inferior parietal lobule, part 1 (caudal area 39)	0.88
inferior parietal lobule, part 2 (rostrodorsal area 39)	-0.96	inferior parietal lobule, part 2 (rostrodorsal area 39)	-0.96
inferior parietal lobule, part 3 (rostrodorsal area 40)	-0.64	inferior parietal lobule, part 3 (rostrodorsal area 40)	0.86
inferior parietal lobule, part 4 (caudal area 40)	0.51	inferior parietal lobule, part 4 (caudal area 40)	0.02

Resting-State

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
inferior parietal lobule, part 5 (rostroventral area 39)	0.96	inferior parietal lobule, part 5 (rostroventral area 39)	0.92
inferior parietal lobule, part 6 (rostroventral area 40)	-0.88	inferior parietal lobule, part 6 (rostroventral area 40)	-0.89
precuneus, part 1 (medial area 7)	-0.53	precuneus, part 1 (medial area 7)	-0.63
precuneus, part 2 (medial area 5)	-0.94	precuneus, part 2 (medial area 5)	-0.87
precuneus, part 3 (dorsomeidal parietooccipital sulcus)	-0.65	precuneus, part 3 (dorsomeidal parietooccipital sulcus)	0.61
precuneus, part 4 (area 31)	0.98	precuneus, part 4 (area 31)	0.98
postcentral gyrus, part 1 (area 1/2/3 upper limb)	-0.93	postcentral gyrus, part 1 (area 1/2/3 upper limb)	-0.54
postcentral gyrus, part 2 (area 1/2/3 tongue and larynx)	-0.93	postcentral gyrus, part 2 (area 1/2/3 tongue and larynx)	-0.94
postcentral gyrus, part 3 (area 2)	-0.92	postcentral gyrus, part 3 (area 2)	-0.69
postcentral gyrus, part 4 (area1/2/3 trunk)	-0.94	postcentral gyrus, part 4 (area1/2/3 trunk)	-0.89
insular, part 1 (hypergranular insula)	-0.87	insular, part 1 (hypergranular insula)	-0.86
insular, part 2 (ventral agranular insula)	0.82	insular, part 2 (ventral agranular insula)	0.82
insular, part 3 (dorsal agranular insula)	0.79	insular, part 3 (dorsal agranular insula)	0.09
insular, part 4 (ventral granular insula)	-0.82	insular, part 4 (ventral granular insula)	-0.57
insular, part 5 (dorsal granular insula)	-0.92	insular, part 5 (dorsal granular insula)	-0.88
insular, part 6 (dorsal dysgranular insula)	-0.75	insular, part 6 (dorsal dysgranular insula)	-0.71
cingulate gyrus, part 1 (dorsal area 23)	0.94	cingulate gyrus, part 1 (dorsal area 23)	0.93
cingulate gyrus, part 2 (rostroventral area 24)	0.52	cingulate gyrus, part 2 (rostroventral area 24)	0.94
cingulate gyrus, part 3 (pregenual area 32)	0.87	cingulate gyrus, part 3 (pregenual area 32)	0.42
cingulate gyrus, part 4 (ventral area 23)	0.57	cingulate gyrus, part 4 (ventral area 23)	0.84
cingulate gyrus, part 5 (caudodorsal area 24)	-0.54	cingulate gyrus, part 5 (caudodorsal area 24)	0.18
cingulate gyrus, part 6 (caudal area 24)	-0.85	cingulate gyrus, part 6 (caudal area 24)	-0.93
cingulate gyrus, part 7 (subgenual area 32)	0.99	cingulate gyrus, part 7 (subgenual area 32)	0.98
cuneus, part 1 (caudal lingual gyrus)	0.99	cuneus, part 1 (caudal lingual gyrus)	0.97
cuneus, part 2 (rostral cuneus gyrus)	0.69	cuneus, part 2 (rostral cuneus gyrus)	0.34
cuneus, part 3 (caudal cuneus gyrus)	0.98	cuneus, part 3 (caudal cuneus gyrus)	0.84
cuneus, part 4 (rostral lingual gyrus)	0.90	cuneus, part 4 (rostral lingual gyrus)	0.54
cuneus, part 5 (ventomedial parietooccipital sulcus)	0.03	cuneus, part 5 (ventomedial parietooccipital sulcus)	-0.73
occipital gyrus, part 1 (middle occipital gyrus)	0.97	occipital gyrus, part 1 (middle occipital gyrus)	0.95
occipital gyrus, part 2 (area V5/MT)	0.91	occipital gyrus, part 2 (area V5/MT)	0.94
occipital gyrus, part 3 (occipital polar cortex)	0.80	occipital gyrus, part 3 (occipital polar cortex)	1.00
occipital gyrus, part 4 (inferior occipital gyrus)	0.92	occipital gyrus, part 4 (inferior occipital gyrus)	0.97
superior occipital gyrus, part 1 (medial superior occipital gyrus)	0.35	superior occipital gyrus, part 1 (medial superior occipital gyrus)	0.59
superior occipital gyrus, part 2 (lateral superior occipital gyrus)	0.83	superior occipital gyrus, part 2 (lateral superior occipital gyrus)	0.61
amygdala, part 1 (medial amyg)	0.65	amygdala, part 1 (medial amyg)	0.81
amygdala, part 2 (lateral amyg)	0.07	amygdala, part 2 (lateral amyg)	0.72

Task-Performing

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
inferior parietal lobule, part 5 (rostroventral area 39)	0.96	inferior parietal lobule, part 5 (rostroventral area 39)	0.92
inferior parietal lobule, part 6 (rostroventral area 40)	-0.88	inferior parietal lobule, part 6 (rostroventral area 40)	-0.89
precuneus, part 1 (medial area 7)	-0.53	precuneus, part 1 (medial area 7)	-0.63
precuneus, part 2 (medial area 5)	-0.94	precuneus, part 2 (medial area 5)	-0.87
precuneus, part 3 (dorsomeidal parietooccipital sulcus)	-0.65	precuneus, part 3 (dorsomeidal parietooccipital sulcus)	0.61
precuneus, part 4 (area 31)	0.98	precuneus, part 4 (area 31)	0.98
postcentral gyrus, part 1 (area 1/2/3 upper limb)	-0.93	postcentral gyrus, part 1 (area 1/2/3 upper limb)	-0.54
postcentral gyrus, part 2 (area 1/2/3 tongue and larynx)	-0.93	postcentral gyrus, part 2 (area 1/2/3 tongue and larynx)	-0.94
postcentral gyrus, part 3 (area 2)	-0.92	postcentral gyrus, part 3 (area 2)	-0.69
postcentral gyrus, part 4 (area1/2/3 trunk)	-0.94	postcentral gyrus, part 4 (area1/2/3 trunk)	-0.89
insular, part 1 (hypergranular insula)	-0.87	insular, part 1 (hypergranular insula)	-0.86
insular, part 2 (ventral agranular insula)	0.82	insular, part 2 (ventral agranular insula)	0.82
insular, part 3 (dorsal agranular insula)	0.79	insular, part 3 (dorsal agranular insula)	0.09
insular, part 4 (ventral granular insula)	-0.82	insular, part 4 (ventral granular insula)	-0.57
insular, part 5 (dorsal granular insula)	-0.92	insular, part 5 (dorsal granular insula)	-0.88
insular, part 6 (dorsal dysgranular insula)	-0.75	insular, part 6 (dorsal dysgranular insula)	-0.71
cingulate gyrus, part 1 (dorsal area 23)	0.94	cingulate gyrus, part 1 (dorsal area 23)	0.93
cingulate gyrus, part 2 (rostroventral area 24)	0.52	cingulate gyrus, part 2 (rostroventral area 24)	0.94
cingulate gyrus, part 3 (pregenual area 32)	0.87	cingulate gyrus, part 3 (pregenual area 32)	0.42
cingulate gyrus, part 4 (ventral area 23)	0.57	cingulate gyrus, part 4 (ventral area 23)	0.84
cingulate gyrus, part 5 (caudodorsal area 24)	-0.54	cingulate gyrus, part 5 (caudodorsal area 24)	0.18
cingulate gyrus, part 6 (caudal area 24)	-0.85	cingulate gyrus, part 6 (caudal area 24)	-0.93
cingulate gyrus, part 7 (subgenual area 32)	0.99	cingulate gyrus, part 7 (subgenual area 32)	0.98
cuneus, part 1 (caudal lingual gyrus)	0.99	cuneus, part 1 (caudal lingual gyrus)	0.97
cuneus, part 2 (rostral cuneus gyrus)	0.69	cuneus, part 2 (rostral cuneus gyrus)	0.34
cuneus, part 3 (caudal cuneus gyrus)	0.98	cuneus, part 3 (caudal cuneus gyrus)	0.84
cuneus, part 4 (rostral lingual gyrus)	0.90	cuneus, part 4 (rostral lingual gyrus)	0.54
cuneus, part 5 (ventomedial parietooccipital sulcus)	0.03	cuneus, part 5 (ventomedial parietooccipital sulcus)	-0.73
occipital gyrus, part 1 (middle occipital gyrus)	0.97	occipital gyrus, part 1 (middle occipital gyrus)	0.95
occipital gyrus, part 2 (area V5/MT)	0.91	occipital gyrus, part 2 (area V5/MT)	0.94
occipital gyrus, part 3 (occipital polar cortex)	0.80	occipital gyrus, part 3 (occipital polar cortex)	1.00
occipital gyrus, part 4 (inferior occipital gyrus)	0.92	occipital gyrus, part 4 (inferior occipital gyrus)	0.97
superior occipital gyrus, part 1 (medial superior occipital gyrus)	0.35	superior occipital gyrus, part 1 (medial superior occipital gyrus)	0.59
superior occipital gyrus, part 2 (lateral superior occipital gyrus)	0.83	superior occipital gyrus, part 2 (lateral superior occipital gyrus)	0.61
amygdala, part 1 (medial amyg)	0.65	amygdala, part 1 (medial amyg)	0.81
amygdala, part 2 (lateral amyg)	0.07	amygdala, part 2 (lateral amyg)	0.72

Resting-State

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
hippocampus, part 1 (rostral hipp)	0.58	hippocampus, part 1 (rostral hipp)	0.84
hippocampus, part 2 (caudal hipp)	0.57	hippocampus, part 2 (caudal hipp)	0.94
striatum, part 1 (ventral caudate)	0.91	striatum, part 1 (ventral caudate)	-0.92
striatum, part 2 (globus pallidus)	0.35	striatum, part 2 (globus pallidus)	-0.74
striatum, part 3 (nucleus accumbens)	0.98	striatum, part 3 (nucleus accumbens)	0.54
striatum, part 4 (ventromedial putamen)	0.50	striatum, part 4 (ventromedial putamen)	-0.88
striatum, part 5 (dorsal caudate)	0.99	striatum, part 5 (dorsal caudate)	-0.16
striatum, part 6 (dorsolateral putamen)	-0.89	striatum, part 6 (dorsolateral putamen)	-0.63
thalamus, part 1 (medial prefrontal thalamus)	0.88	thalamus, part 1 (medial prefrontal thalamus)	0.22
thalamus, part 2 (medial premotor thalamus)	0.98	thalamus, part 2 (medial premotor thalamus)	0.87
thalamus, part 3 (sensory thalamus)	0.93	thalamus, part 3 (sensory thalamus)	0.84
thalamus, part 4 (rostral temporal thalamus)	0.90	thalamus, part 4 (rostral temporal thalamus)	0.69
thalamus, part 5 (posterior parietal thalamus)	0.99	thalamus, part 5 (posterior parietal thalamus)	0.96
thalamus, part 6 (occipital thalamus)	0.94	thalamus, part 6 (occipital thalamus)	0.93
thalamus, part 7 (caudal temporal thalamus)	0.97	thalamus, part 7 (caudal temporal thalamus)	0.83
thalamus, part 8 (lateral prefrontal thalamus)	0.93	thalamus, part 8 (lateral prefrontal thalamus)	0.92

Left		Vermis		Right	
Cerebellar lobule I-IV	0.08			Cerebellar lobule I-IV	0.78
Cerebellar lobule V	0.98			Cerebellar lobule V	0.65
Cerebellar lobule VI	0.98	Cerebellar lobule VI	0.84	Cerebellar lobule VI	0.99
Cerebellar Crus I	-0.70			Cerebellar Crus I	-0.42
Cerebellar Crus II	-0.88	Cerebellar Crus II	-0.66	Cerebellar Crus II	-0.92
Cerebellar lobule VIIb	-0.77	Cerebellar lobule VIIb	0.26	Cerebellar lobule VIIb	-0.84
Cerebellar lobule VIIIa	-0.13	Cerebellar lobule VIIIa	-0.01	Cerebellar lobule VIIIa	0.19
Cerebellar lobule VIIIb	-0.64	Cerebellar lobule VIIIb	-0.57	Cerebellar lobule VIIIb	-0.97
Cerebellar lobule IX	-0.38	Cerebellar lobule IX	-0.97	Cerebellar lobule IX	-0.93
Cerebellar lobule X	-0.96	Cerebellar lobule X	-0.97	Cerebellar lobule X	-0.98

Task-Performing

DMN and TPN regions in the Brainnetome ROI atlas from Fan et al. 2016 and their correlation between the resting-state and task-performing QPPs

Left Hemisphere		Right Hemisphere	
hippocampus, part 1 (rostral hipp)	0.58	hippocampus, part 1 (rostral hipp)	0.84
hippocampus, part 2 (caudal hipp)	0.57	hippocampus, part 2 (caudal hipp)	0.94
striatum, part 1 (ventral caudate)	0.91	striatum, part 1 (ventral caudate)	-0.92
striatum, part 2 (globus pallidus)	0.35	striatum, part 2 (globus pallidus)	-0.74
striatum, part 3 (nucleus accumbens)	0.98	striatum, part 3 (nucleus accumbens)	0.54
striatum, part 4 (ventromedial putamen)	0.50	striatum, part 4 (ventromedial putamen)	-0.88
striatum, part 5 (dorsal caudate)	0.99	striatum, part 5 (dorsal caudate)	-0.16
striatum, part 6 (dorsolateral putamen)	-0.89	striatum, part 6 (dorsolateral putamen)	-0.63
thalamus, part 1 (medial prefrontal thalamus)	0.88	thalamus, part 1 (medial prefrontal thalamus)	0.22
thalamus, part 2 (medial premotor thalamus)	0.98	thalamus, part 2 (medial premotor thalamus)	0.87
thalamus, part 3 (sensory thalamus)	0.93	thalamus, part 3 (sensory thalamus)	0.84
thalamus, part 4 (rostral temporal thalamus)	0.90	thalamus, part 4 (rostral temporal thalamus)	0.69
thalamus, part 5 (posterior parietal thalamus)	0.99	thalamus, part 5 (posterior parietal thalamus)	0.96
thalamus, part 6 (occipital thalamus)	0.94	thalamus, part 6 (occipital thalamus)	0.93
thalamus, part 7 (caudal temporal thalamus)	0.97	thalamus, part 7 (caudal temporal thalamus)	0.83
thalamus, part 8 (lateral prefrontal thalamus)	0.93	thalamus, part 8 (lateral prefrontal thalamus)	0.92

Left		Vermis		Right	
Cerebellar lobule I-IV	0.08			Cerebellar lobule I-IV	0.78
Cerebellar lobule V	0.98			Cerebellar lobule V	0.65
Cerebellar lobule VI	0.98	Cerebellar lobule VI	0.84	Cerebellar lobule VI	0.99
Cerebellar Crus I	-0.70			Cerebellar Crus I	-0.42
Cerebellar Crus II	-0.88	Cerebellar Crus II	-0.66	Cerebellar Crus II	-0.92
Cerebellar lobule VIIb	-0.77	Cerebellar lobule VIIb	0.26	Cerebellar lobule VIIb	-0.84
Cerebellar lobule VIIIa	-0.13	Cerebellar lobule VIIIa	-0.01	Cerebellar lobule VIIIa	0.19
Cerebellar lobule VIIIb	-0.64	Cerebellar lobule VIIIb	-0.57	Cerebellar lobule VIIIb	-0.97
Cerebellar lobule IX	-0.38	Cerebellar lobule IX	-0.97	Cerebellar lobule IX	-0.93
Cerebellar lobule X	-0.96	Cerebellar lobule X	-0.97	Cerebellar lobule X	-0.98

Supplementary Table 1. All regions of interest included in the Brainnetome ROI atlas from Fan et al. (2016). All regions of interest that included voxels that were part of the DMN are in blue. All regions of interest that included voxels that were part of the TPN are in blue. Regions of interest that had voxels from both the DMN and TPN are shown in purple. The table on the left shows the results of DMN and TPN masks from the resting-state group, while the table on the right shows the results of DMN and TPN masks from the task-performing group. The value next to the ROI names are correlation values for the Pearson correlation between the timecourse of the ROI from the resting-state QPP versus the timecourse of the ROI from the task-performing QPP. High correlation values show that the region behaved similarly in the resting-state QPP and task-performing QPP. Low correlation values show that the region behaved differently in the resting-state QPP and task-performing QPP.